



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTOR : David S. F. Young et al  
INVENTION : CANCEROUS DISEASE MODIFYING ANTIBODIES  
SERIAL NUMBER : 10/603,006  
FILING DATE : June 23, 2003  
EXAMINER :  
GROUP ART UNIT : 1641  
ATTORNEY DOCKET NO. : 2056.023

---

CERTIFICATE UNDER 37 CFR §1.8(a)

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as First Class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on 3-17-2004

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to the Duty to Disclose under 37 CFR §1.56, Applicants and the undersigned attorney have submitted an Information Disclosure Statement via the electronic filing system to include all U. S. Patent documents considered to be relevant to the above-identified patent application.

Further, Applicants and the undersigned attorney herewith submit the additional references cited on the accompanying form PTO/SB/08B. A copy of each reference cited on the PTO/SB/08B form is enclosed for the Examiner's consideration.

Applicants submit that the present invention is patentable over these references.

Respectfully submitted,

Date 3/17/2004

By Ferris H. Lander

Ferris H. Lander

Registration No. 43,377

McHale & Slavin, P.A.

2855 PGA Boulevard

Palm Beach Gardens, FL 33410

Telephone: (561) 625-6575

Facsimile: (561) 625-6572

\\Ns2\CLIENT FILES\2000-2099\2056 - Arius Research, Inc\2056\_000023 - PAT\References\Applicant's IDS References\2056.023IDS.wpd



PTO/SB/21 (03-03)

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/603,006	
	Filing Date	06/23/2003	
	First Named Inventor	David S. F. Young	
	Art Unit	1641	
	Examiner Name		
Total Number of Pages in This Submission	5	Attorney Docket Number	2056.023

**ENCLOSURES (Check all that apply)**

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to a Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please Identify below):  Copies of (13) references
<b>Remarks</b>		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

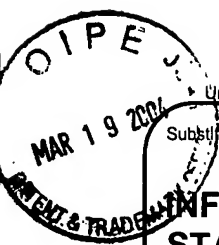
Firm or Individual	Ferris H. Lander McHale & Slavin, P.A.
Signature	<i>Ferris H. Lander</i>
Date	3/17/2004

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: 3-17-2004		
Typed or printed	Debra N. Gerstemeier	
Signature	<i>Debra N. Gerstemeier</i>	Date 3-17-2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/603,006
Filing Date	06/23/2003
First Named Inventor	David S. F. Young
Art Unit	1641
Examiner Name	
Attorney Docket Number	2056.023

Sheet	1	of	2
-------	---	----	---

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		T. KARPANEN et al, "Vascular endothelial growth factor C promotes tumor lymphangiogenesis and intralymphatic tumor growth", Cancer Research, 61:1786-1790 (March, 2001)	
		W. WAUD et al, "Characterization of in vivo mammary and prostate tumor xenograft models for growth and response to clinical anticancer agents", Contrib Oncol Basel Karger, 54:305-315 (1999)	
		G. KLEMENT et al, "Differences in therapeutic indexes of combination metronomic chemotherapy and an anti-VEGFR-2 antibody in multidrug-resistant human breast cancer xenografts", Clinical Cancer Research, 8:221-232 (January, 2002)	
		D. BLAKEY et al, "Antitumor activity of the novel vascular targeting agent ZD6126 in a panel of tumor models", Clinical Cancer Research, 8:1974-1983 (June, 2002)	
		Z. XIAO et al, "Generation of a baculovirus recombinant prostate-specific membrane antigen and its use in the development of a novel protein biochip quantitative immunoassay", Protein Expression and Purification, 19:12-21 (2000)	
		S. Guichard et al, "Schedule-dependent activity of topotecan in OVCAR-3 ovarian carcinoma xenograft: pharmacokinetic and pharmacodynamic evaluation", Clinical Cancer Research, 7:3222-3228 (October, 2001)	
		V. VON GRUENIGEN et al, "Efficacy of intraperitoneal adenovirus-mediated p53 gene therapy in ovarian cancer", Int. J. Gynecol. Cancer, 9:365-372 (1999)	
		N. GUILBAUD et al, "Marked antitumor activity of a new potent acronycine derivative in orthotopic models of human solid tumors", Clinical Cancer Research, 7:2573-2580 (August, 2001)	
		K. OLSON et al, "Inhibition of prostate carcinoma establishment and metastatic growth in mice by an antiangiogenin monoclonal antibody", Int. J. Cancer, 98:923-929 (2002)	
		S. HIRSCHFELD et al, "Oncology drug development: United States Food and Drug Administration perspective", Critical Reviews in Oncology/Hematology, 42:137-143 (2002)	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/603,006
				Filing Date	06/23/2003
				First Named Inventor	David S. F. Young
				Art Unit	1641
				Examiner Name	
Sheet	2	of	2	Attorney Docket Number	2056.023

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		P. THERASSE et al, "New guidelines to evaluate the response to treatment in solid tumors", Journal of the National Cancer Institute, 92(3):205-216 (February, 2000)	
		G. ECKHARDT et al, "Developmental therapeutics: successes and failures of clinical trial designs of targeted compounds", in American Society of Clinical Oncology, pp. 209-219 (2003)	
		P. SMITH et al, "Anti-interleukin-6 monoclonal antibody induces regression of human prostate cancer xenografts in nude mice", The Prostate, 48:47-53 (2001)	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.